



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

July 9, 2015

Jozef Racsko, Ph.D.  
Regulatory Manager  
Valent BioSciences Corporation  
870 Technology Way, Suite 100  
Libertyville ,IL 60048

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – change the error in use rates, update dilution tables in accordance with label rate recommendations.  
Product Name: PROGIBB 40 PH Post Harvest Plant Growth Regulator  
EPA Registration Number: 73049-492  
Application Date: 04/08/2015  
OPP Decision Number: 503380

Dear Dr. Racsko:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims

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made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Shenell Bolden of my team by phone at (703) 347-0120 or via email at [bolden.shenell@epa.gov](mailto:bolden.shenell@epa.gov)

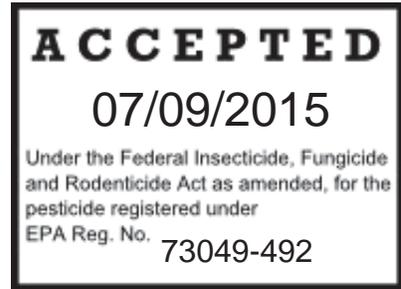
Sincerely,

A handwritten signature in blue ink that reads "Andrew C. Bryceland". The signature is fluid and cursive, with the first name being the most prominent.

Andrew Bryceland, Team Leader  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

Enclosure

**PROGIBB® 40 PH**  
**Post Harvest Plant Growth Regulator**  
**Water Soluble Granule**



|                                  |             |
|----------------------------------|-------------|
| Active Ingredient                |             |
| Gibberellin A <sub>3</sub> ..... | 40.00% w/w  |
| Other Ingredients.....           | 60.00% w/w  |
| Total.....                       | 100.00% w/w |

Contains a total of 128 g of Gibberellic Acid in 320 g of product.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See inside booklet for Precautionary Statements.

EPA Registration No. 73049-492

EPA Establishment No.

Valent BioSciences Corporation  
 870 Technology Way, Suite 100  
 Libertyville, IL 60048  
 1-847-968-4700

Net Contents: 2.5g, 80 g and 320 g (0.09, 2.8 and 11.3 oz.)

This container will treat \_\_\_acre at the maximum use rate, as directed for use on \_\_\_\_\_.

| <b>FIRST AID</b>   |   |
|--|---|
| If in eyes   | <ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul> |
| If on skin or clothing   | <ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>   |
| <b>HOT LINE NUMBER</b>   |   |
| Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call toll-free 1-800-892-0099 (24 hours) for emergency medical treatment and/or transport emergency information. For all other information, call 1-800-6-Valent. |   |

**PROGIBB® 40 PH**  
**Post Harvest Plant Growth Regulator**  
**Water Soluble Granule**

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**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See inside booklet for Precautionary Statements.

EPA Registration No. 73049-1  
EPA Establishment No.

Valent BioSciences Corporation  
870 Technology Way, Suite 100  
Libertyville, IL 60048  
1-847-968-4700

Net Contents: 2.5 g

Please see Box or Pamphlet for Precautionary Statements and Directions For Use

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS & DOMESTIC ANIMALS**

Caution: Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

#### **Personal Protective Equipment (PPE)**

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Waterproof gloves.
- Shoes plus socks.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### **User Safety Recommendations**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### **ENVIRONMENTAL HAZARDS**

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning or disposing of equipment washwaters or rinsate.

Do not use treated seed for food, feed, or oil purposes. Exposed treated seed may be hazardous to birds and other wildlife. Treat only those seeds needed for immediate use and planting. Do not store excess treated seed beyond planting time. Dispose of all excess treated seed and seed packaging by burial away from bodies of water.

## **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribe agency responsible for pesticide regulation.

### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours *unless wearing appropriate PPE*.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls.
- Waterproof gloves.
- Shoes plus socks.

## **GENERAL DIRECTIONS FOR USE**

Use only as directed. Read the label thoroughly and make sure it is understood before making applications. Keep out of reach of children.

### **Application Instructions:**

- ProGibb 40 PH water soluble granule contains gibberellic acid which is an extremely potent plant growth regulator; when applying plant growth regulators, deviations from the label directions in the rates, timings, water volumes, or the adoption of untested spray mixes, results in undesirable effects. Always consult the local Valent representative in your area for the spray regimen best suited to your conditions.
- When a range of rates is indicated, use the concentration indicated by the local Valent representative.
- Prepare solution concentrations by mixing the required amount of product with water in a clean, empty tank. Discard any unused spray material at the end of each day following local, state or federal law.
- For most efficacious results, the use water with a pH of 4.0 to 8.5. Use buffer for water with pH above or below this range.
- Compatibility: When considering tank mixing with other products, use the following compatibility jar test before mixing a whole tank.

Start with a clear glass or plastic quart jar. Add water from the same water source that will be used for the larger tank mix. Add the pesticides in correct proportions. Mix thoroughly and let stand for a minimum 15 minutes. Heat, separation, gelling, are all signs of incompatibility. Before using any mixes that pass the jar tests for compatibility, it is imperative to test the mixture on a designated area as it may result either in phytotoxicity or ineffectiveness. For further information, consult your local Valent representative.

## **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

### **Pesticide Storage**

Keep containers tightly closed when not in use.

### **Pesticide Disposal**

Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

### **Container Disposal: ( 80 or 320 g bottles)**

Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or mix tank. Fill container  $\frac{1}{4}$  full with water and recap. Shake 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times. Then offer for recycling or dispose of in a sanitary landfill, or incineration, if allowed by state and local authorities by burning. If burned, stay out of smoke.

### **(2.5 g sachets)**

Nonrefillable container. Do not reuse or refill this container. Offer for reconditioning if appropriate or dispose of in a sanitary landfill, or incineration, if allowed by state and local authorities by burning. If burned, stay out of smoke.

**CITRUS: POST-HARVEST APPLICATIONS**

| <b>CITRUS – DELAY SENESCENCE</b>            |   |                 |   |
|---|---|-----------------|---|
| <b>CROP/<br/>VARIETY</b>                    | <b>OBJECTIVE/<br/>BENEFIT</b>   | <b>USE RATE</b> | <b>APPLICATION METHOD</b>   |
| Lemon                                       | To delay fruit senescence and prolong storage life. The delay in senescence has been shown to reduce the incidence of infection by sour rot ( <i>Geotrichum candidum</i> ). | 50-100 PPM      | Dilute 2 to 4 grams a.i. per 10 gallons of final post-harvest application solution. Apply post-harvest application solution to the entire fruit as a spray or drench. |
| Yellow lemons and other mature citrus fruit | To delay aspects of rind senescence and color changes   | 50-100 PPM      | Dilute 2 to 4 grams a.i. per 10 gallons of final post-harvest application solution. Apply post-harvest application solution to the entire fruit as a spray or drench. |

**BANANA/PLANTAIN: POST-HARVEST APPLICATION**

| <b>CITRUS – DELAY SENESCENCE</b> |                               |  |   |
|----------------------------------|-------------------------------|--|---|
| <b>CROP/<br/>VARIETY</b>         | <b>OBJECTIVE/<br/>BENEFIT</b> | <b>USE RATE</b>  | <b>APPLICATION METHOD</b>   |
| Banana                           | To extend fruit green life    | Apply a solution of 750 to 1500 ppm . The solution can be sprayed or brushed to the crown. | Apply after washing the fruit and before packing. It is permissible to tank-mix with other protectants. |
| Plantain                         | To extend fruit green life    | Apply a solution of 1500 ppm . The solution can be sprayed or brushed to the crown.        | Apply after washing the fruit and before packing. It is permissible to tank-mix with other protectants. |

## PINEAPPLE: POST-HARVEST APPLICATION

| <b>PINEAPPLE – DELAY SENESCENCE</b> |   |   |  |
|-------------------------------------|---|---|--|
| <b>CROP/<br/>VARIETY</b>            | <b>OBJECTIVE/<br/>BENEFIT</b>   | <b>USE RATE</b>   | <b>APPLICATION METHOD</b>  |
| Pineapple                           | To maintain the quality of the crown (greenness, turgidity), delay desiccation, discoloration, and browning, and improve overall appearance during transit, storage and shelf life. | Apply at the rate of 250 – 500 ppm as a spray directed to the crown | Apply after harvest and prior to packing. Make sure all leaves are thoroughly covered with the spray without excessive runoff. |

## PROGIBB 40 PH CONVERSIONS

ProGibb 40 PH contains 1.0 gram of active ingredient per 2.5 grams (0.09 oz) of product.

To convert from Grams AI to Grams Product – Multiply grams AI x 2.5  
(i.e. 32 g a.i. x 2.5 = 80g ProGibb 40 PH)

To convert from Grams AI to Dry Ounces Product – Multiply grams AI x 0.09  
(i.e. 32 g a.i. x 0.09 = 2.9 oz ProGibb 40 PH)

### CONVERSION TABLE (for the 320 g size)

| Grams of Active Ingredient | Grams of ProGibb 40 PH | Ounces of ProGibb 40 PH |
|----------------------------|------------------------|-------------------------|
| 2                          | 5                      | 0.2                     |
| 4                          | 10                     | 0.4                     |
| 5                          | 12.5                   | 0.5                     |
| 6                          | 15                     | 0.6                     |
| 8                          | 20                     | 0.7                     |
| 10                         | 25                     | 0.9                     |
| 15                         | 37.5                   | 1.4                     |
| 20                         | 50                     | 1.8                     |
| 30                         | 75                     | 2.7                     |
| 40                         | 100                    | 3.6                     |
| 50                         | 125                    | 4.5                     |
| 60                         | 150                    | 5.4                     |
| 80                         | 200                    | 7.2                     |
| 100                        | 250                    | 9.0                     |
| 128                        | 320                    | 11.5                    |

### Grams of ProGibb 40 PH for given ppm's of Gibberellic Acid at Different Water Volumes.

| Gallons of Water | Desired parts per million (ppm) gibberellic acid |     |     |     |      |      |      |      |
|------------------|--|-----|-----|-----|------|------|------|------|
|                  | 25   | 50  | 75  | 100 | 250  | 500  | 750  | 1500 |
| 10               | 3  | 5   | 8   | 10  | 25   | 50   | 75   | 150  |
| 20               | 5  | 10  | 15  | 20  | 50   | 100  | 150  | 300  |
| 25               | 6  | 13  | 19  | 25  | 63   | 125  | 188  | 375  |
| 50               | 13   | 25  | 38  | 50  | 125  | 250  | 375  | 750  |
| 100              | 25   | 50  | 75  | 100 | 250  | 500  | 750  | 1500 |
| 150              | 38   | 75  | 113 | 150 | 375  | 750  | 1125 | 2250 |
| 200              | 50   | 100 | 150 | 200 | 500  | 1000 | 1500 | 3000 |
| 250              | 63   | 125 | 188 | 250 | 625  | 1250 | 1875 | 3750 |
| 300              | 75   | 150 | 225 | 300 | 750  | 1500 | 2250 | 4500 |
| 400              | 100  | 200 | 300 | 400 | 1000 | 2000 | 3000 | 6000 |
| 500              | 125  | 250 | 375 | 500 | 1250 | 2500 | 3750 | 7500 |

Note: The numbers inside the table are the grams of ProGibb 40 PH needed to obtain the desired ppm's for each gallonage.

Example:

To make 250 gallons of a 40 ppm gibberellic acid solution, dissolve 95 grams of ProGibb 40 PH in 250 gallons of water (see shaded area).

**CONVERSION TABLE** (for the 80 g size)

ProGibb 40 PH contains approximately 10 grams of active ingredient per 25 grams of product.

| Grams of Active Ingredient | Grams of ProGibb 40 PH | Ounces of ProGibb 40 PH |
|----------------------------|------------------------|-------------------------|
| 2                          | 5                      | 0.2                     |
| 4                          | 10                     | 0.4                     |
| 5                          | 12.5                   | 0.5                     |
| 6                          | 15                     | 0.6                     |
| 8                          | 20                     | 0.7                     |
| 10                         | 25                     | 0.9                     |
| 15                         | 37.5                   | 1.4                     |
| 20                         | 50                     | 1.8                     |
| 30                         | 75                     | 2.7                     |
| 40                         | 100                    | 3.6                     |
| 50                         | 125                    | 4.5                     |
| 60                         | 150                    | 5.4                     |
| 80                         | 200                    | 7.2                     |

(Alternate for 80 g packaging)

| Gallons of Water | parts per million (ppm) gibberellic acid |      |      |      |      |      |      |      |      |    |
|------------------|--|------|------|------|------|------|------|------|------|----|
|                  | 4  | 5    | 6    | 8    | 10   | 15   | 20   | 30   | 40   | 50 |
| <b>75</b>        | 3.0                                      | 3.8  | 4.5  | 6.0  | 7.5  | 11.3 | 15.0 | 22.5 | 30.0 | 38 |
| <b>100</b>       | 4.0                                      | 5.0  | 6.0  | 8.0  | 10.0 | 15.0 | 20.0 | 30.0 | 40.0 | 50 |
| <b>125</b>       | 5.0                                      | 6.3  | 7.5  | 10.0 | 12.5 | 18.8 | 25.0 | 37.5 | 50.0 | 63 |
| <b>150</b>       | 6.0                                      | 7.5  | 9.0  | 12.0 | 15.0 | 22.5 | 30.0 | 45.0 | 60.0 | 75 |
| <b>200</b>       | 8.0                                      | 10.0 | 12.0 | 16.0 | 20.0 | 30.0 | 40.0 | 60.0 | 80.0 |    |

Note: The numbers inside the table are the grams of ProGibb 40 PH WSG needed to obtain the desired ppm's for each gallonage.

Example:

To make 200 gallons of a 40 ppm gibberellic acid solution, dissolve 80 grams of ProGibb 40 PH WSG in 200 gallons of water (see shaded area).

**NOTICE TO USER**

To the extent consistent with applicable law, seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with accompanying directions.

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